

## C O U N C I L     C O M M U N I C A T I O N

TO: THE CITY COUNCIL

FROM: THE CITY MANAGER'S OFFICE

COUNCIL MEETING DATE: September 7, 1988

SUBJECT: ELECTRIC RATE PROPOSAL

RECOMMENDED ACTION: That the City Council approve electric rate structure changes as proposed herein, to become effective with utility bills prepared on or after November 1, 1983.

BACKGROUND INFORMATION: Lodi's retail electric rates were adjusted in March 1985. Those rates were based on average annual pricing (same price per hour for every hour of the year). Since that time, considerable effort on behalf of regulatory bodies, utilities and consumer representatives have resulted in emphasizing a need for electric rate structures to become appropriate and useful; appropriate from the standpoint of reflecting the changing cost pattern of utilities - high cost during peak periods and lower cost during off-peak periods. Reflecting a correct price signal to consumers is appropriate, but only becomes useful when we can show a large consumer, for instance, that shifting some electric use from the highest cost period to lowest cost period will decrease that consumers electric cost even though the same overall energy use is maintained.


The proposed rate structure changes reflect seasonality and peak-period pricing and are fully compatible with State Regulatory procedure and prudent utility rate-making standards of contiguous electric utilities.

Use of the 110 load survey meters, which were installed more than a year ago, provided the base data necessary to analyze the effect of this rate structure change. These same meters will be used to illustrate load shift to our customers and to provide billing information.

Additional changes in rate structure incorporate (1) inclusion of the Fuel Adder in the base rate; (2) provision for a Medical Baseline Quantity for specific application to qualifying medical conditions; and (3) preparation of a Standby Service Rate where a large Industrial customer installs co-generation in parallel with the City.

PROPOSAL DETAILS: No new revenues will be expected from this rate structure change. Therefore, the period of level rates (no increase) which began March 1, 1985, shall continue through this year and perhaps with initial Success in Load Management may reach through 1989 - almost a five-year period of rate stability.

FUTURE PLANS: The Electric Department staff will initiate discussion with 'large electric customers, subsequent to implementation of the proposed rate structure, and target specific energy consumptive devices or procedures which are susceptible to shifting from our peak period to off-peak period.

  
Henry J. Rice: Electric Utility Director

Attach. (4)



CUSTOMER CARE  
TECHNICAL SERVICE

Western Area Power Administration

## LODI CONSIDERING LOAD MANAGEMENT FOR SUMMER PEAKS

### BACKGROUN

Every extra megawatt (MW) of power the City of Lodi buys to meet its summer peak costs an average of \$140,000.

That's partly because the California city of 44,000 doesn't just pay for the summer peak when it occurs. It pays for it year-round. Lodi is charged two-thirds of the cost of its peak during off-peak periods, too.

That's incentive enough for Lodi to begin considering ways to control summer peak loads.

Situated about 30 miles south of Sacramento in the hot San Joaquin Valley, Lodi experiences summer peaks that are almost twice the MW's as those of winter. For example, Lodi's 1986 winter peak hit 42.3 MW, while its summer peak the same year was 80.8 MW.

If Lodi could shave its peak, it could optimize the cost of operations, resulting in a reduction in cost of service to its customers.

But, before the City launches a complex load management system, it needs to find out what the City's general load shape is, what group of customers contributes most to the peak load, and when and why electrical usage is highest and lowest.

With help from Western's Conservation and Renewable Energy cost-shared assistance activity, Lodi is doing just that.

Lodi had not previously instituted a formal load management program, mainly because it seemed any energy savings would not justify the cost of buying, installing, and maintaining the necessary equipment.

However, City officials now believe the technology has advanced sufficiently — and costs have declined enough — that a centrally controlled load management program might be feasible.

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## OBJECTIVES

Identify Lodi's load management potential and pinpoint ways electrical use can be altered to:

- Improve system efficiency
- Shift fuel dependency from limited to more abundant energy resources
- Reduce reserve requirements for generation and transmission capacity
- Improve service reliability
- Provide the most economical Power to the City of Lodi and its end users

## APPLICATIONS

If the study leads to implementation of a formal load management program, Lodi will be able to reduce cost of electrical service, provide the most efficient use of plant facilities, and postpone new investments while maintaining adequate and dependable electric service. Other Central Valley Project customers will obtain additional load data and technology.

## APPROACH

Lodi first gathered information on past energy use patterns from municipal sources, as well as from outside agencies. These include Western, which provides approximately 16.4 percent of Lodi's total summer peakload, and the California Public Utilities Commission.

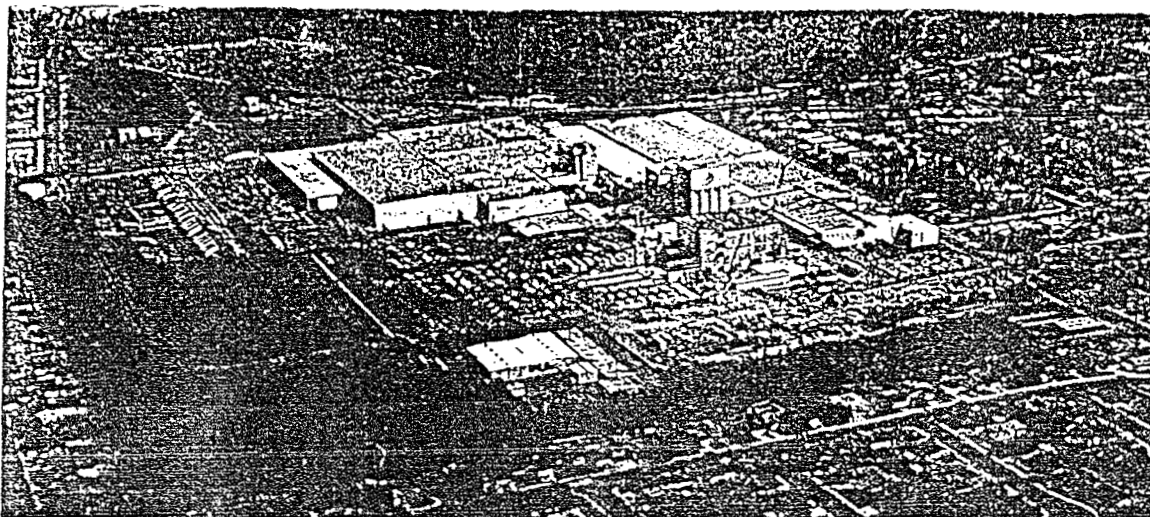
Next, Lodi prepared a 100-question survey that was sent to 500 residences to learn such information as the age of the dwellings, types of heating and cooling, the type of insulation, and the number of inhabitants of each residence.

Lodi also is gathering information on energy use patterns from some of the City's largest customers. With the help of solid state demand recorders, Lodi is finding out just when and how the 14 largest customers use electricity. It is also determining whether electrical use of the largest customers would be influenced by a time-of-use rate in which power would cost more if used at certain peak times or seasons. City staff understands that cost savings are mutually dependent upon good communication of goals and objectives by both the customer and the utility.

## STUDY CONTACTS

**Western C&RE Representative:** Guy R. Nelson, N6010, Conservation Officer, Sacramento Area Office, Western Area Power Administration, 1825 Bell Street, Sacramento, CA 95825. Telephone: Commercial (916) 978-4435; FTS 460-4435.

**Western Customer:** John Stone, City of Lodi, 1311 South Ham Lane, Lodi, CA 95242. Telephone: (209) 333-6748.



*This General Mills plant was among the commercial customers included in a survey Lodi, California, conducted on energy use.*

## Redding, Lodi survey customers

A pair of municipally operated utilities in California have a clearer picture of their electric consumers after conducting two very different surveys.

The City of Redding sent 52-part questionnaires to its 16,700 residential customers to find out how its periodic demand forecasts fit with actual consumer energy usage. The 7,000 returned responses, in addition to providing valuable end-use forecasting data, are being evaluated partly to help the utility evaluate its competitive position in the energy marketplace.

Lodi, a city of 46,000 some 30 miles south of Sacramento, distributed 500 surveys seeking answers to 100 questions (10 pages total) on how residential customers are using electricity and to identify opportunities for load management. The survey was part of a cost-shared study with Western on the feasibility of load management for Lodi.

As part of the cost-shared study, Lodi utility officials also interviewed managers of larger commercial enterprises concerning future plans and energy uses.

Results from the 42 percent who responded to the mailed survey indicate that whatever

load management program the utility institutes will have to be preceded by an extensive public information campaign, said Lodi's Senior Rate Analyst Jack Stone.

Redding undertook its survey to meet a California Energy Commission (CEC) requirement for all utilities that expect to build more generation facilities. The CEC mandates demand forecasts to be performed every two years. This was the first time in the 14 years the forecast has been prepared that Redding, a city of nearly 50,000 in the north central part of the state, has incorporated end-use data into the forecast, Electric Engineer Tim Nichols said.

Information from the Redding survey is being evaluated partly to assess whether programs by an investor-owned utility to encourage the use of gas are eroding the electrical market within the City's utility service area, Nichols said.

The investor owned utility is offering rebates to Redding customers who purchase and install gas furnaces and water heaters. Such programs have the potential to saddle Redding with the air conditioning load in the summer, yet leave it without a base return in the winter.

That's not yet the situation. The survey showed 60 percent of respondents still have electric water heaters, for example.

In addition, Redding is conducting a survey of commercial customers in conjunction with 10 other cities. Information from both surveys will be evaluated to help build markets and provide energy services to benefit the customers and the utility.

Lodi's survey offered two advantages: it gave the City information on which to base a future load management program, and it permitted City officials to meet face-to-face with managers of the largest commercial enterprises. Many of those managers may not previously have had such personal contact with the utility, Stone said.

Information from the survey will be supplemented with a three-year program of metering residential and commercial energy uses. Demand meters have been installed at 55 residences and 18 commercial establishments.

The survey showed clearly "there's a distinct feeling from people out there that they don't want air conditioning cycling.

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They don't want programs imposed on them . . . Whatever we do, it's going to take a concentrated effort at publicity," Stone concluded.

Representatives of several commercial firms, particularly food processing plants, said their continuous plant processes would not tolerate power interruptions during the utility's peak times. Some might have one or two functions that could be interrupted, but the interruptions would not save the utility that much energy, Stone said.

It is not yet certain what type of load management Lodi will pursue, Stone said. For residential customers, Lodi may first advocate energy-saving measures, such as weatherstripping and insulation of attics to make sure energy is being used efficiently. The Electric Power Research Institute also is helping the City investigate ice cooling and heat pump technologies that can shift summer demand away from the



A contractor installs a load management device on an air conditioning system. Air conditioning loads are among the factors Redding uses when making its periodic demand forecasts. Redding's first consumer survey may help make the forecasts more accurate.

peak.

Whatever options are chosen, Lodi does have a pronounced summer peaking problem that needs addressing. Every extra megawatt of power Lodi buys to

meet its summer peak—which is almost double its winter peak—can cost the City up to \$157,000.

(For more information, call Nichols at 916/225-4358 or Stone at 209/333-6748.)

## C&RE award honors Platte River

The Platte River Power Authority has been presented Western's Administrator's Award for its efforts in advancing conservation and renewable energy (C&RE) technologies.

In presenting the award, Western Administrator William H. Clagett cited the utility's willingness to share

its findings on C&RE projects and technological advancements, "not only with its members but with many of our (Western's) other customers."

Specifically cited was design and construction of a 10-kilowatt photovoltaic plant at Platte River's Fort Collins (Colorado) facility, the first

of its kind in the region. Information and experience gained from the study will be critical for future photovoltaic plants.

Western also recognized efficient operation of Platte River's Rawhide Energy Station. The utility has increased Rawhide's efficiency by improving the unit's heat rate by 200 British thermal units per kilowatt-hour.

Western noted that Platte River has developed a high-quality transmission and distribution system for its members and that by upgrading and maintaining this system, it reduces energy losses, improves reliability to member cities and provides additional capacity when and where it is needed.

"We are committed to the cost-effective use of energy and recognize those customers who develop innovative programs," said Clagett. "Platte River certainly is a leader in that category."

Platte River is a public utility owned by the Colorado Front Range municipalities of Estes Park, Fort Collins, Longmont, and Loveland.



Western Administrator William H. Clagett presents the Administrator's Award to Platte River Power Authority Board of Directors Chairman Robert L. Dekker, right, and Authority General Manager Thaine J. Mickie.

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## ELECTRIC RATE PROPOSAL

Need: Changes are required in our present rate structure so that the City can begin work to achieve a degree of long-term rate stability using Load Management techniques. These techniques would be used initially with the largest industrial customers to reduce or avoid, as far as possible, increasing demand on peak periods which is the utilities highest cost period.

The City's present rates are based on average annual pricing (same price per hour for every hour of the year). Average rate pricing **cannot** reward a customer who shifts usage from our peak period (highest cost period) to our off-peak period (lowest cost period).

The proposed rate structure changes reflecting seasonality and peak-period pricing are fully compatible with State Regulatory procedure and prudent utility ratemaking standards of contiguous electric utilities.

Additional changes in rate structure incorporate (1) inclusion of the Fuel Adder in the base rate; (2) provision for a Medical Baseline Quantity for specific application to qualifying medical condition; and (3) preparation of a Standby Service Rate where a large Industrial customer installs co-generation in parallel with the City.

These changes are not intended to make the rates complicated; they are intended to make the rates useful and appropriate.

The adjustment from average year-round rates to the proposed seasonalized peak-period rates can be accomplished without significant cost impact on customers. Approximately one percent (1%) impact can be shown for average annual usage among various customer groups.

No new revenue will be expected from this rate structure change. Therefore, the period of level rates (no increase) which began March 1, 1985 shall continue through this year and perhaps with initial success in **Load Management** may reach through 1989.

Timing: The new rate structure should be effective with utility bills prepared on or after November 1, 1988.

Comparison: After the rate structure change proposed, rates will generally remain at the level set in March 1985. Illustration: 500 kwhr. residential customer in March 1985 - \$33.61; under proposed rates the cost for November 1988 would be **\$33.53**,

## RATE ADJUSTMENTS - FY 1988-89

## I. INTRODUCTION

Due to a combination of growth, good mix of power resources, and adequate revenues, it has been over three years since the City has had to adjust its electric rates (last rate adjustment was approved 3/1/85).

The use of 110 load survey meters which the City Council approved over a year ago has enabled us to collect and develop data support to analyze potential cost shift among our consumers preliminary to modernizing the rate structure.

During the last three year period, more appropriate rate terms and structures have been developed in the industry. Lodi rate structure has not kept pace. Our large Industrial rate is out of date and needs to be re-done to reflect changes in the similar rate which PG&E uses. The **re-doing** of the Industrial rate causes changes throughout all other rates. All necessary rate adjustments can be accomplished with minimal cost impact on average use customers. The following recommended rate adjustments would put us on a competitive basis which reflects the modern rate concepts of the California Public Utilities Commission (CPUC) reflected in the PG&E rate structure.

## II. BASIC RATE MAKING PRINCIPLES

## A. MEET THE CITY'S BUDGETED REVENUE GOAL

## B. BE COMPETITIVE

1. Rates to be seasonalized
2. Industrial to be based on time-of-use (TOU)
3. **Cogeneration** and other CPUC issues to be addressed
4. All rates below PG&E

## C. BE EQUITABLE

1. Need to make **total** adjustment on a revenue neutral basis
2. Rate adjustments should apply to all potential customers within the appropriate class of service

### III. SUMMARY OF RECOMMENDED ADJUSTMENTS

- A. FUEL CHARGE ROLLED INTO RATES
  - 1. Originally separated to reflect greatly fluctuating fuel costs after the 1973 oil embargo
  - 2. Northern California Power Agency and Western Area Power Administration energy costs have now stabilized to a reasonably predictable level
- B. MOBILE HOME PARK DISTRIBUTION SERVICE PAYMENT SHIFTED TO RULES & REGULATIONS FROM EM SCHEDULE
  - 1. CPUC and PG&E presently in debate as to which elements should properly be included in payment
- C. MEDICAL RIDER PROPOSED FOR RESIDENTIAL SCHEDULES
  - 1. Required "Declaration of Eligibility" form
  - 2. Notification - newspaper, health care professionals, utility bills
- D. STANDBY SERVICE RATE
  - 1. Only applicable to largest industrial customers operating private generating plants
  - 2. Provides continuity of service basis for private generation
- E. BILLING CHANGES
  - 1. (Required) Calculation of billing determinants for largest industrial customers by Electric Utility Department Rate Analysis
  - 2. (Proposed) Medical Rider administration by Electric Utility Department Rate Analysis
- F. SEASONALITY AND TIME-OF-USE (TOU) ADDED
  - 1. Worked through all appropriate rates

### IV. RATE COMPARISONS (PRELIMINARY;

- A. RESIDENTIAL
  - 1. Approximately 18,000 customers
  - 2. 40 kilowatt-hours (kwhr) per month for air conditioning not included in winter rate
  - 3. Based on degree day concept of average temperature
  - 4. Baseline concept of CPUC
- B. OUTDOOR DUSK-TO-DAWN LIGHTING - EL
  - Only a nominal change to scale appropriate charges
- C. ENERGY PURCHASE - EP
  - Rates determined through negotiated contract

D. STANDBY SERVICE - SS

1. New rate
2. Serves to provide backup electric power to largest customers with private generating plants
3. Contract required

E. GENERAL SERVICE - COMMERCIAL/INDUSTRIAL

1. Rate structure change and mandatory class assignment
  - a. See attached table

V. WHAT HAPPENS NEXT

A. COMPLETE ANALYSIS OF IMPACT ON UTILITY BILLING SYSTEM  
(e.g., START DATE?) - FINANCE

B. DETERMINE FINAL RATE NUMBERS - ELECTRIC UTILITY DEPARTMENT

C. WORK WITH G3 CUSTOMERS AFTER RATE ADJUSTMENT APPROVED -  
ELECTRIC UTILITY DEPARTMENT

D. QUESTION AND ANSWER SHEET WILL BE DEVELOPED TO AID  
FINANCE PEOPLE IN EXPLAINING RATE RE-STRUCTURE TO THE  
PUBLIC

RESIDENTIAL RATES



# CITY OF LODI

## ELECTRIC UTILITY DEPARTMENT

### SCHEDULE EA

#### DOMESTIC SERVICE

#### APPLICABILITY:

Domestic service is applicable to domestic lighting, heating, cooking and single-phase domestic power service in single-family dwellings and in flats and apartments separately metered by the City and to single-phase service used in common for residential purposes by tenants in multi-family dwellings.

#### RATES:

Minimum Charge: . . . . .

Energy Charge:

Summer (May through October)

First 440 kwhr, per kwhr. . . . .

Over 440 kwhr, per kwhr. . . . .

Winter (November through April)

first 400 kwhr, per kwhr. . . . .

Over 400 kwhr, per kwhr. . . . .

#### SPECIAL CONDITIONS:

(a) When a business or commercial establishment is conducted in conjunction with a residence and both are measured through one meter, this rate does not apply.

(b) Service on this schedule will be supplied at the single-phase secondary voltage available - either 120/240 or 120/208 volts.

(c) Additional first block medical quantities are available as described in Schedule MR - Residential Medical Rider.

p.EA-1/1

Effective

1, 1988

Cancelling Ordinance No. 1348

Ordinance No. \_\_\_\_\_



# CITY OF LODI

## ELECTRIC UTILITY DEPARTMENT

### SCHEDULE EM

#### DOMESTIC SERVICE - MOBILE HOME PARKS

#### APPLICABILITY:

Kobile hone parks domestic service is applicable to domestic lighting, heating, cooking and power supplied to mobile home parks through a master-meter and sub-metered to all individual mobile home units.

#### RATES:

Minimum Charge: . . . . .

Energy Charge:

Summer (May through October)

First 440 kwhr per mobile home space

wired for service, per kwhr . . . . .

Over 440 kwhr per mobile home space

wired for service, per kwhr . . . . .

Winter (November through April)

First 400 kwhr per mobile home space

wired for service, per kwhr . . . . .

Over 400 kwhr per mobile hone space

wired for service, per kwhr . . . . .

#### SPECIAL CONDITIONS:

(a) This rate is available only for master metering in service prior to October 1, 1988.

(b) It is the responsibility of the customer to notify the City Finance Department within 15 days following any change in the number of mobile home spaces wired for service,

(c) A Kobile Home Park Distribution Service Payment will be made to qualifying mobile home park owners as described in Rule and Regulation No. 19.

(d) Additional first block medical quantities are available as described in Schedule MR - Residential Medical Rider.

p.EM-1/1

Effective

1, 1988

Canceling Ordinance No. 1350

Ordinance No. \_\_\_\_\_

## LIGHTING RATE



# CITY OF LODI

## ELECTRIC UTILITY DEPARTMENT

### SCHEDULE EL

#### OUTDOOR DUSK-TO-DAWN LIGHTING

##### APPLICABILITY:

Cutdcor dusk-to-dawn lighting is applicable to City-owned and maintained outdoor overhead lighting service where **streetlight** service is not available.

##### RATES:

For each 6,000 lumen gas discharge lamp . . . . . per month

For each 18,000 lumen gas discharge lamp . . . . . per month

##### SPECIAL CONDITIONS:

(a) Lamps shall be approximately 6,000 or 18,000 lumen **gas discharge** with luminaire and bracket, as specified by the City of Lodi Electric Utility Department, and shall be supported on City-owned poles which are used to carry distribution system circuits for other City purposes and shall **be** at locations approved **by** the City of Lodi. Lamps **will be** controlled from dusk to dawn each night so **as to give** approximately **4,380 hours of service** annually.

(b) Upon receipt of notice from a customer of failure of light to operate as scheduled, the City of Lodi Electric Utility Department will, within a reasonable period of time, make the necessary repairs.

(c) Relocation of existing outdoor lighting service equipment or the installation of additional facilities required other than mentioned in (a) above **shall be** at customer's expense prior to starting **work**.

ENERGY PURCHASE RATE



# CITY OF LODI

## ELECTRIC UTILITY DEPARTMENT

### SCHEDULE EF

### ENERGY PURCHASE

#### ADDITIONALITY.

Energy Purchase Schedule EP is applicable to qualifying customer-owned alternating current facilities operating in parallel with the City's electric system on a contract basis.

p. EP-1/1

Effective 1, 1988

Canceling Ordinance No. 1348

Ordinance No. \_\_\_\_\_

COMMERCIAL/INDUSTRIAL RATES



# CITY OF LODI

## ELECTRIC UTILITY DEPARTMENT

### SCHEDULE G1 (Formerly EB)

#### GENERAL SERVICE - GROUP 1 COMMERCIAL/INDUSTRIAL

ADD: TO ART. 17V.

Schedule G1 is applicable to customers with single-phase or polyphase alternating current service, or to a combination thereof, whose kwhr usage does not exceed 8,000 kwhr per month for three consecutive months.

#### RATES:

##### Customer Charge:

Single-Phase Service . . . . .

Polyphase Service. . . . .

##### Energy Charge (to be added to Customer Charge):

Summer (May through October) . . . . .

Winter (November through April) . . . . .

The monthly charge is the higher of: 1) the Customer Charge and the Energy Charge, or 2) per kva of connected welder and per horsepower of polyphase connected motor load.

p.G1-1/1

Effective

1, 1988

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Ordinance No. \_\_\_\_\_



# CITY OF LODI

## ELECTRIC UTILITY DEPARTMENT

### SCHEDULE G2 (Formerly S-1)

#### GENERAL SERVICE - GROUP 2 COMMERCIAL/INDUSTRIAL

#### APPLICABILITY:

Schedule G2 will be applied to accounts with energy consumption in excess of 8,000 kilowatt-hours (kwhr) or more for three consecutive months and with maximum demand not exceeding 500 kilowatts (kw) for three consecutive months.

**Maximum Demand:** The maximum demand in any month will be the maximum average power taken during any 15-minute interval in the month, but not less than the diversified resistance welder load. In cases where the use of energy is intermittent or subject to violent fluctuations, a 5-minute interval may be used.

**New Customers:** If the energy consumption for a new customer is expected to be 8,000 kwhr or more, the City has the option of placing the account on Schedule G2 from the start.

**Transfers Off Schedule G2:** If energy consumption drops below 8,000 kwhr and remains there for 12 consecutive months, the City will transfer the account to Schedule G1. If the demand reaches or exceeds 500 kilowatts (kw) for three consecutive months, the account will be transferred to Schedule G3.

#### RATES:

Customer Charge . . . . .

Demand Charge:

All kw of billing demand, per kw . . . . .

Energy Charge: (per kwhr)

Summer (May through October) . . . . .

Winter (November through April). . . . .

The monthly charge for service under Schedule G2 is the sum of the Customer Charge, Demand Charge and Energy Charge.

#### VOLTAGE DISCOUNT:

When delivery is made at the same primary distribution voltage as that of the line from which the service is supplied, a 4% discount will be allowed on the above charges.

p.62-1/2

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# CITY OF LODI

## ELECTRIC UTILITY DEPARTMENT

### POWER FACTOR ADJUSTMENTS:

Bills will **be** adjusted based upon average monthly power factor. Average monthly power factor is computed from the ratio of lagging reactive kilovolt-ampere-hours to kilowatt-hours consumed in the month. Power factors are rounded to the nearest whole percent.

The rates in this schedule are based on an average monthly power factor of 85%. If **the** average monthly power factor is greater than 85%, the total monthly bill (excluding any taxes and customer charge) will be reduced by .06 percent for each percentage point **above** 85%. if the average power factor is below 85%, the total monthly **bill** (excluding taxes **and** customer charge) will be increzsed **by** .06 percent for each percentage point below 85%.



# CITY OF LODI

## ELECTRIC UTILITY DEPARTMENT

### SCHEDULE G3

~~GENERAL SERVICE - GROUP 3~~ COMMERCIAL/INDUSTRIAL

#### APPLICABILITY:

Schedule G3 will be applied to accounts with maximum demands of 500 kilowatts (kw) or more for three consecutive months.

Maximum Demand: The maximum demand in any month will be the maximum average power taken during any 15-minute interval in the month, but not less than the diversified resistance welder load. In cases where the use of energy is intermittent or subject to violent fluctuations, a 5-minute interval may be used.

New Customers: If the maximum demand for a new customer is expected to be 500 kw or more, the City has the option of placing the account on Schedule G3 from the start.

Transfers Off Schedule G3: If maximum demand drops below 500 kw and remains there for 12 consecutive months, the City will transfer the account to a different applicable rate schedule.

#### RATES:

Customer Charge . . . . .

Service Voltage:	Secondary (G3-S)		Primary (G3-P)		Transmission (G3-1)	
Season:	Summer	Winter	Summer	Winter	Summer	Winter

#### Demand Charges:

Per kw of maximum peak-period demand	--	--	--
Per kw of maximum demand			

#### Energy Charges:

Peak period (per kwhr)	--	--
Partial-peak period (per kwhr)		
Off-peak period (per kwhr)		

Minimum Charge, per month:

The Demand Charge constitutes the Minimum Charge.

p.G3-1/3

Effective

1, 1988

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Ordinance No. \_\_\_\_\_



# CITY OF LODI

## ELECTRIC UTILITY DEPARTMENT

**TYPES OF CHARGES:** The monthly charge for service under Schedule G3 is the sum of the customer charge, demand charges and energy charges:

- The customer charge is a flat monthly fee.
- Schedule G3 has two demand charges, a maximum-peak-period-demand charge and a maximum-demand charge. The maximum-peak-period-demand charge per kilowatt applies to the maximum demand during the month's peak hours, and the maximum-demand charge per kilowatt applies to the maximum demand at any time during the month. The bill will include both of these demand charges. Time periods are defined below.
- The energy charge is the sum of the energy charges from the peak, partial peak, and off-peak periods. Energy is billed by the kilowatt-hour (kwhr), and rates are differentiated according to time of day and time of year.
- Monthly charges may be increased or decreased based upon power factor as defined below.
- As shown on the rate chart, demand and energy charges are based on the voltage at which service is taken. Service voltages are defined below.

### DEFINITION OF SERVICE VOLTAGE:

The following defines the three service voltage classes of G3 rates:

- a. Transmission: Service voltage class for service at 60,000 volts.
- b. Primary: Service voltage class for service at 12,000 volts.
- c. Secondary: Service voltage class for service at all other available voltages

### POWER FACTOR ADJUSTMENTS:

Bills will be adjusted based upon average monthly power factor. Average monthly power factor is computed from the ratio of lagging reactive kilovolt-ampere-hours to kilowatt-hours consumed in the month. Power factors are rounded to the nearest whole percent.

The rates in this rate schedule are based on an average monthly power factor of 85%. If the average monthly power factor is greater than 85%, the total monthly bill (excluding any taxes and customer charge) will be reduced by .06 percent for each percentage point above 85%.



# CITY OF LODI

## ELECTRIC UTILITY DEPARTMENT

### DEFINITION OF TIME PERIODS:

Times of the year and times of the day are defined as follows:

#### SUMMER May 1 through October 31:

Peak: 3:00 p.m. to 7:00 p.m. Monday through Friday (except holidays).

Partial-Peak: 8:30 a.m. to 3:00 p.m. and 7:00 p.m. to 9:30 p.m.  
Monday through Friday (except holidays).

Off-Peak: 9:30 p.m. to 8:30 a.m. Monday through Friday and all day  
Saturday, Sunday and holidays.

#### WINTER: November 1 through April 30.

Partial-Peak: 8:30 a.m. to 9:30 p.m. Monday through Friday (except  
holidays).

Off-Peak: 9:30 p.m. to 8:30 a.m. Monday through Friday and all day  
Saturday, Sunday and holidays.

#### HOLIDAYS:

Holidays" for the purpose of the rate schedule are New Year's Day, Presidents' Day, Memorial Day, Independence Day, Labor Day, Veterans' Day, Thanksgiving Day, the day after Thanksgiving and Christmas Day. The dates will be based on those days on which the holidays are observed as specified in Public Law 90-363 (U.S.C.A. Section 6103).

STANDEY SERVICE UTE



# CITY OF LODI

## ELECTRIC UTILITY DEPARTMENT

### SCHEDULE SS

#### STANDBY SERVICE

#### APPLICABILITY:

Schedule SS is applicable to commercial/industrial customers who would otherwise qualify for Schedule G3 and who operate a privately-owned generating plant and where the City must stand ready at all times to supply standby electric service to replace such plant.

#### RATES:

Per Customer-Owned Plant  
Per Month

Customer Charge . . . . .

Standby Charge

Contract capacity, per kw. . . . .

Standby Demand Charge:

Summer: The Standby Demand Charge will be assessed for 12 months beginning the month in which the City provides capacity at the service connection point. Such Standby Demand Charge will be the product of the maximum monthly capacity provided by the City, expressed in kw, and the sum of the base and peak demand rates of the applicable industrial schedule.

Winter: The Standby Demand Charge for capacity provided by the City will be billed at the Schedule G3 rate.

Reactive Demand Charge:

Per kvar of maximum reactive demand. . . . .



# CITY OF LODI

## ELECTRIC UTILITY DEPARTMENT

### RATES: (continued)

#### Energy Charge:

All energy supplied by the City will be billed at the Schedule G3 rates.

### SPECIAL CONDITIGNS:

(a) CONTRACT: This schedule is available only for each specific service connection point on a contract basis to industrial customers for each customer-owned generating plant as authorized by the City Council. Each contract term shall be for the service life of the customer-owned generating plant and shall obligate the customer to pay for Customer Standby and Standby Demand Charges for the contract term. The contract shall provide, among other things, that if service is cancelled prior to expiration of the contract period, the customer shall pay the total Standby Charges for the unexpired term of the contract and any outstanding Standby Demand Charges.

(b) CONTRACT CAPACITY: Contract Capacity is the nameplate rating of the customer-owned generating plant.

(c) EXCESS CAPACITY: Capacity supplied by the customer-owned generating plant in excess of the measured load at the customer's service connection point shall be considered inadvertent and no demand or energy adjustment shall be given.

(d) LIMITATION ON CONTRACT CAPACITY SERVED: Standby service to new or increased loads is limited by the City's ability to serve such loads without jeopardizing service to existing customers on rate schedules for firm service, including standby service.

(e) RENDERING OF BILLS: All bills, including opening and closing bills, will be based on meter registration, except as otherwise provided in the City's Rules and Regulations or rate schedule. Should the billing period be less than one month, no proration will be made and the amount of the bill shall be determined in accordance with the schedule in effect at the time of the end of the normal meter reading period. Standby Demand Charges will not be applied in a cumulative manner.

(f) TOTALILING: Totalizing of a customer's meter readings from more than one service connection point for billing purposes will not be done if one or more such service connections are receiving Standby Service.

(g) DEMAND READINGS: Demand readings will be based on 15-minute intervals.



# CITY OF LODI

## ELECTRIC UTILITY DEPARTMENT

(h) **PARALLEL OPERATION:** Any customer on this schedule intending to operate a generating plant in parallel with the City's electric system must construct and operate such plant in accordance with applicable Rules and Regulations. However, a customer who operates its generating plant in parallel must assume responsibility for protecting the City and other parties from damage resulting from negligent operation.

(i) **METERING:** The City will furnish, own and maintain, at its expense, the normal metering for the size and type of load served. The City will furnish, own and maintain, at the customer's expense, other metering equipment that the City determines to be necessary on both the service and the customer-owned generating plant. The customer shall provide facilities to accommodate such metering. Meters shall not allow reverse registration.

(j) **REACTIVE DEMAND CHARGE:** When the customer-owned generating plant is operated in parallel with the City's system, the customer will design and operate its facilities so that the reactive current requirements of the portion of the Customer's load supplied from such plant are not supplied at any time from the City's system. If the City determines by test that the customer-owned generating plant is placing a reactive demand on the City's electric system excess of 0.44 kvar per kw of Contract Capacity, the Reactive Demand Charge shall be effective in that month and each subsequent month until the customer demonstrates to the City's satisfaction that adequate correction has been provided.

### DEFINITION OF TIME PERIODS:

Times of the year and times of the day are defined as follows:

#### SUMMER May 1 through October 31:

Peak: 3:00 p.m. to 7:00 p.m. Monday through Friday (except holidays).

Partial-Peak: 8:30 a.m. to 3:00 p.m. and 7:00 p.m. to 9:30 p.m.  
Monday through Friday (except holidays).

Off-Peak: 9:30 p.m. to 8:30 a.m. Monday through Friday and all day  
Saturday, Sunday and holidays.

#### WINTER: November 1 through April 30:

Partial-Peak: 8:30 a.m. to 9:30 p.m. Monday through Friday (except  
holidays).

Off-Peak: 9:30 p.m. to 8:30 a.m. Monday through Friday and all day  
Saturday, Sunday and holidays.



# CITY OF LODI

## ELECTRIC UTILITY DEPARTMENT

### HOLIDAYS:

Holidays" for the purpose of the rate schedule are New Year's Day, Presidents' Day, Memorial Day, Independence Day, Labor Day, Veterans' Day, Thanksgiving Day, the day after Thanksgiving and Christmas Day. The dates will be based on those days on which the holidays are observed as specified in Public Law 90-363 (U.S.C.A. Section 6103).

MEDICAL RIDER



# CITY OF LODI

## ELECTRIC UTILITY DEPARTMENT

### SCHEDULE MR

### RESIDENTIAL MEDICAL RIDER

#### APPLICABILITY:

Qualifying residential customers on Schedule EA or EM are entitled to an additional 500 kilowatt-hours (kwhr) at the lower priced first block rate.

If a customer or full-time resident in the home has one or more of the medical conditions listed below, the Electric Utility Department may be contacted to request a copy of the "Declaration of Eligibility for Medical First Block Adjustment." The customer will be required to have a doctor of medicine or osteopathy licensed to practice in the State of California fill out the last page of the form to certify qualification for a Medical First Block Adjustment.

#### QUALIFYING CONDITIONS:

To qualify for the Medical First Block Adjustment, certification in writing is required stating that a customer or other full-time resident in the home is:

1. dependent on a life-support device used in the home, or
2. a paraplegic, hemiplegic, or quadraplegic person having special air conditioning needs, or
3. a multiple-sclerosis patient with special heating or air conditioning needs.

(Medical conditions other than multiple sclerosis, paraplegia, hemiplegia, or quadriplegia may qualify customers for medical quantities for electric heating or air conditioning. Any such conditions will be reviewed on an individual basis.)

#### LIFE-SUPPORT DEVICES:

A life-support device is any medical device necessary to sustain life or relied upon for mobility. To qualify under this rule, the device must be used in the home and must run on electricity supplied by the City of Lodi.

The term "life-support device" includes, but is not limited to, respirators, iron lungs, hemodialysis machines, suction machines, electric nerve stimulators, pressure pads and pumps, aerosol tents, electrostatic and ultrasonic nebulizers, compressors, IPPB machines and motorized wheelchairs.



# CITY OF LODI

## ELECTRIC UTILITY DEPARTMENT

### HEATING AND AIR CONDITIONING:

Special heating and/or air-conditioning needs will qualify for a Medical First Block Adjustment under this rule only if your main source of energy for heating or air conditioning is electricity supplied by the City of Lodi.

### MEDICAL FIRST BLOCK ADJUSTMENT FOR MASTER-METERED CUSTOMERS:

Residential tenants of master-metered customers can also qualify for Medical First Block Adjustment. If one or more of the tenants have a medical condition that qualifies under the conditions listed above, please contact the Electric Utility Department to find out how to apply.

If tenants are submetered, any Medical First Block Adjustment must be **passed** on to the qualifying tenant(s) when tenants are billed for the electricity they use.

CITY OF LODI  
DECLARATION OF ELIGIBILITY  
FOR ADDITIONAL BASELINE QUANTITIES FOR QUALIFYING MEDICALLY DISABLED PERSONS

\_\_\_\_\_(Customer) hereby claims eligibility for a standard medical baseline quantity under the provisions of the City of Lodi's applicable residential service rate schedules (EA and EM). Customer certifies that a full-time resident of the household is:

- a. dependent upon a medical life-support device, or
- b. a paraplegic, hemiplegic, or quadriplegic person requiring additional space heating, or
- c. a multiple sclerosis patient requiring additional space heating/air conditioning

Please complete applicable sections(s):

- ☐ Life Support Device - A life-support device is any medical device requiring City of Lodi supplied electric power for its operation that is regularly required to maintain the life of a person residing in a residential unit. The term includes, but is not limited to, respirators, iron lungs, hemodialysis machines, suction machines, electric nerve stimulators, pressure pads and pumps, aerosol tents, electrostatic and ultrasonic nebulizers, compressors, IPPB machines and motorized wheelchairs.

☐ Electric Life Support Device:

\_\_\_\_\_  
(indicate type of device)

- ☐ Space Conditioning - Medical baseline quantities are available for certain qualified disabled persons requiring City of Lodi supplied energy for additional space heating or air conditioning needs.

☐ Paraplegic, hemiplegic, or quadriplegic person-

Electric Space Heating: ☐

☐ Multiple Sclerosis patient-

Electric Space Heating: ☐

Electric Air Conditioning: ☐

☐ Other medical condition \_\_\_\_\_

Electric Space Heating: ☐

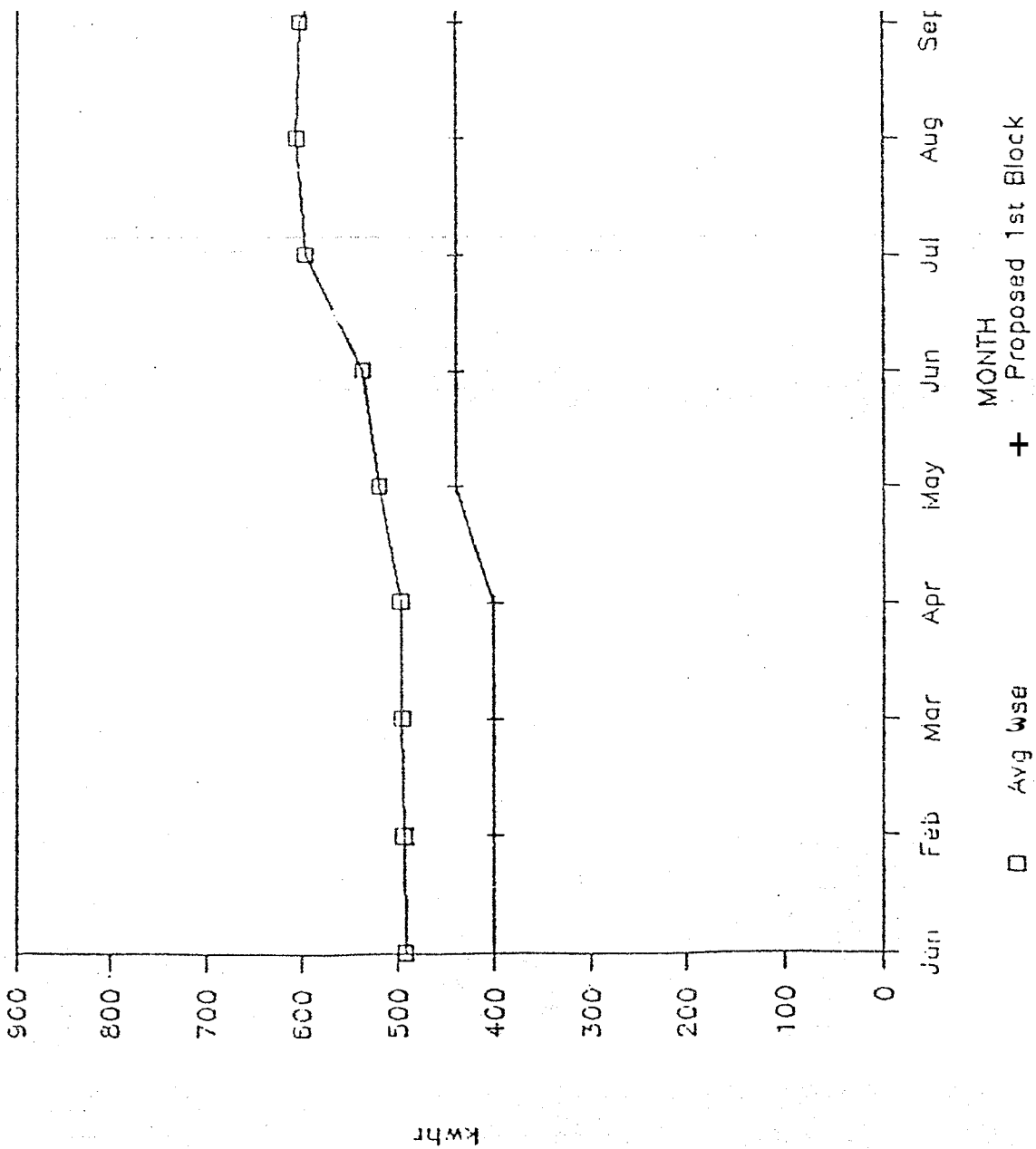
Electric Air Conditioning: ☐

The standard medical baseline quantity available year-round is 503 kilowatt-hours/month for electricity.

RESIDENTIAL AND COMMERCIAL/INDUSTRIAL GRAPHS

# RESIDENTIAL BASELINE CONCI

AVG USE COMPARED TO PROPOSED 1ST BLOCK



MANDATORY CLASS ASSIGNMENT STANDARDS - GENERAL COMMERCIAL/INDUSTRIAL

RATE SCHEDULE	APPROX 1 OF CUST	CLASS DEFINITION	% OF % OF KWHR SALES	SYSTEM AVERAGE CUSTOMER COST IMPACT	TYPE OF METERING	BILLING	RATE STRUCTURE CHANGES FROM EXISTING STRUCTURE
------------------	------------------------	---------------------	-------------------------------	--	---------------------	---------	--

RESOLUTION NO. 88-127

A RESOLUTION OF THE LODI CITY COUNCIL  
APPROVING ELECTRIC RATE STRUCTURE CHANGES

RESGLVED, that electric rate structure changes as described in Electric Rate Proposal and Electric Rate Schedules, attached hereto as Exhibit A and incorporated herein by reference, **be** and the same is hereby approved.

FURTHER RESOLVED, that the Exhibit A Electric Rate Schedules sha?l become effective with utility bills prepared on or after November I, 1988.

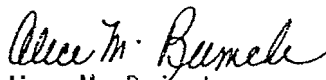
Dated: September 7, 1988

I hereby certify that Resolution No. 88-127 was passed and adopted by the City Council of the City of Lodi in a regular meeting held September 7, 1958 by the following vote:

Ayes : Council Members - Hinchman, Olson, Reid, Snider and  
Pinkerton (Mayor)

Noes : Council Members - None

Absent: Council Members - None

  
Alice M. Reimche  
City Clerk



**CITY OF LODI**  
**ELECTRIC UTILITY DEPARTMENT**

EXHIBIT A



# CITY OF LODI

## ELECTRIC UTILITY DEPARTMENT

ELECTRIC RATE SCHEDULES

Effective November 1, 1988

Resolution No.



# CITY OF LODI

## ELECTRIC UTILITY DEPARTMENT

### SCHEDULE EA

#### DOMESTIC SERVICE

#### APPLICABILITY:

Domestic service is applicable to domestic lighting, heating, cooking and single-phase domestic power service in single-family dwellings and in flats and apartments separately metered by the City and to single-phase service used in common for residential purposes by tenants in multi-family dwellings.

#### RATES.

Minimum Charge: . . . . . \$3.00

#### Energy Charge:

##### Summer (May through October)

First 440 kwhr, per kwhr. . . . .	.06064
Over 440 kwhr, per kwhr. . . . .	.10077

##### Winter (November through April)

First 400 kwhr, per kwhr. . . . .	.06064
Over 400 kwhr, per kwhr. . . . .	.10077

#### SPECIAL CONDITIONS:

- (a) When a business or commercial establishment is conducted in conjunction with a residence and both are measured through one meter, this rate does not apply.
- (b) Service on this schedule will be supplied at the single-phase secondary voltage available - either 120/240 or 120/208 volts.
- (c) Additional first block medical quantities are available as described in Schedule MR - Residential Medical Rider.



# CITY OF LODI

## ELECTRIC UTILITY DEPARTMENT

### SCHEDULE EM

#### DOMESTIC SERVICE - MOBILE HOME PARKS

##### APPLICABILITY:

Mobile home parks domestic service is applicable to domestic lighting, heating, cooking and power supplied to mobile home parks through a master-meter and sub-metered to all individual mobile home units.

##### RATES:

Minimum Charge:	53.00
Energy Charge:	
Summer (May through October)	
First 440 kwhr per mobile home space wired for service, per kwhr	.06064
Over 440 kwhr per mobile home space wired for service, per kwhr	.10077
Winter (November through April)	
First 400 kwhr per mobile home space wired for service, per kwhr	.06064
Over 400 kwhr per mobile home space wired for service, per kwhr	.10077

##### SPECIAL CONDITIONS:

(a) This rate is available only for master metering in service prior to October 1, 1988.

(b) It is the responsibility of the customer to notify the City Finance Department within 15 days following any change in the number of mobile home spaces wired for service.

(c) A Mobile Home Park Distribution Service Payment will be made to qualifying mobile home park owners as described in Rule and Regulation No. 19.

(d) Additional first block medical quantities are available as described in Schedule MR - Residential Medical Rider.

p.EM-1/1

Effective November 1, 1988

Cancelling Ordinance No. 1350

Resolution No. \_\_\_\_\_



# CITY OF LODI

## ELECTRIC UTILITY DEPARTMENT

### SCHEDULE MR

### RESIDENTIAL MEDICAL RIDER

#### APPLICABILITY:

Qualifying residential customers on Schedule EA or E, are entitled to an additional 500 kilowatt-hours (kwhr) at the lower priced first block rate.

If a Customer or full-time resident in the home has one or more of the medical conditions listed below, the Electric Utility Department may be contacted to request a copy of the "Declaration of Eligibility for Medical First Block Adjustment." The customer will be required to have a doctor of medicine or osteopathy licensed to practice in the State of California fill out the last page of the form to certify qualification for a Medical First Block Adjustment.

#### QUALIFYING CONDITIONS:

To qualify for the Medical First Block Adjustment, certification in writing is required stating that a customer or other full-time resident in the home is:

1. dependent on a life-support; device used in the home, or
2. a paraplegic, hemiplegic, or quadraplegic person having special air conditioning needs, or
3. a multiple-sclerosis patient with special heating or air conditioning needs.

(Medical conditions other than multiple sclerosis, paraplegia, hemiplegia, or quadriplegia may qualify customers for medical quantities for electric heating or air conditioning. Any such conditions will be reviewed on an individual basis.)

#### LIFE-SUPPORT DEVICES:

A life-support device is any medical device necessary to sustain life or relied upon for mobility. To qualify under this rule, the device must be used in the home and must run on electricity supplied by the City of Lodi.

The term "life-support device" includes, but is not limited to, respirators, iron lungs, hernodialysis machines, suction machines, electric nerve stimulators, pressure pads and pumps, aerosol tents, electrostatic and ultrasonic nebulizers, compressors, IPPB machines and motorized wheelchairs.



# CITY OF LODI

## ELECTRIC UTILITY DEPARTMENT

### HEATING AND AIR CONDITIONING:

Special heating and/or air-conditioning needs will qualify for a Medical First Block Adjustment under this rule only if your main source of energy for heating or air conditioning is electricity supplied **by** the City of Lodi.

### MEDICAL FIRST BLOCK ADJUSTMENT FOR MASTER-METERED CUSTOMERS:

Residential tenants of master-metered customers can also qualify for Medical First Block Adjustment. If one or more of the tenants have a medical condition that qualifies under the conditions listed above, please contact the Electric Utility Department to find out how to apply.

If tenants are submetered, any Medical First Block Adjustment must be passed on to the qualifying tenant(s) when tenants are billed for the electricity they use.

Customer hereby grants the City of Lodi the right of access to the residence at reasonable hours for verification of the information furnished in this declaration. Refusal of access shall be reason for disallowance of the medical first block adjustment claimed.

This certification shall be valid only for a two-year period from the date shown below, and, if necessary, must be reviewed after that period. The City of Lodi requires certification by a doctor of medicine or osteopathy licensed to practice medicine in the State of California that a particular device is necessary to sustain the user's life, or that Customer or a member of his/her household is a multiple sclerosis patient or is a paraplegic, hemiplegic or quadriplegic person.

Dated this \_\_\_\_\_ day of \_\_\_\_\_, 19\_\_\_\_\_.

\_\_\_\_\_  
Resident (Signature)

\_\_\_\_\_  
Mailing Address  
(if other than service location)

\_\_\_\_\_  
Address (Street, City and Zip)

( ) \_\_\_\_\_

Daytime Phone No.

\_\_\_\_\_  
City of Lodi Account Number, if known

THE CERTIFICATION OF A DOCTOR OF MEDICINE OR OSTEOPATHY IS TO BE MADE ON THE ATTACHED FORM.

Certification of doctor of medicine or osteopathy licensed to practice medicine in the State of California.

I certify that the medical condition and needs of \_\_\_\_\_

\_\_\_\_\_  
(Qualifying disabled person)

who is a full-time resident of the customer's household are as follows:

Life-Support Device:

Where Customer or member of his/her household has indicated the need for using a medical life-support device within the household, is such device essential to sustain his/her life? Yes ☐ No ☐ (Must check ☐ appropriate box)

Space Conditioning: (Complete if other than paraplegic, hemiplegic, quadriplegic, or multiple sclerosis condition.)

Where Customer or member of his/her household has indicated the need for space conditioning within the household, is it necessary due to the patient's medical condition? Yes ☐ No ☐ (Must check ☐ appropriate box)

Doctor's Name \_\_\_\_\_  
Please print or type

Signature \_\_\_\_\_

Office Address \_\_\_\_\_  
(Street, City and Zip)

Telephone Number ( ) \_\_\_\_\_

If you wish to explain in more detail, please attach your signed statement.

Customer hereby grants the City of Lodi the right, of access to the residence at reasonable hours for verification of the information furnished in this declaration. Refusal of access shall be reason for disallowance of the medical first block adjustment claimed.

This certification shall be valid only for a two-year period from the date shown below, and, if necessary, must be reviewed after that period. The City of Lodi requires certification by a doctor of medicine or osteopathy licensed to practice medicine in the State of California that a particular device is necessary to sustain the user's life, or that Customer or a member of his/her household is a multiple sclerosis patient or is a paraplegic, hemiplegic or quadriplegic person.

Dated this \_\_\_\_\_ day of \_\_\_\_\_, 19\_\_\_\_

\_\_\_\_\_  
Resident (Signature)

\_\_\_\_\_  
Mailing Address

(If other than service location)

\_\_\_\_\_  
Address (Street, City and Zip)

( )

\_\_\_\_\_  
Daytime Phone No.

\_\_\_\_\_  
City of Lodi Account Number, if known

THE CERTIFICATION OF A DOCTOR OF MEDICINE OR OSTEOPATHY IS TO BE MADE ON THE ATTACHED FORM.

Certification of doctor of medicine or osteopathy licensed to practice medicine in the State of California.

I certify that the medical condition and needs of \_\_\_\_\_

\_\_\_\_\_  
(Qualifying disabled person)

who is a full-time resident of the customer's household are as follows:

Life-Support Device:

Where Customer or member of his/her household has indicated the need for using a medical life-support device within the household, is such device essential to sustain his/her life? Yes ☐ No ☐ (Must check ☐ appropriate box)

Space Conditioning: (Complete if other than paraplegic, hemiplegic, quadriplegic, or multiple sclerosis condition.)

Where Customer or member of his/her household has indicated the need for space conditioning within the household, is it necessary due to the patient's medical condition? Yes ☐ No ☐ (Must check ☐ appropriate box)

Doctor's Name \_\_\_\_\_  
Please print or type

Signature \_\_\_\_\_

Office Address \_\_\_\_\_  
(Street, City and Zip)

Telephone Number (\_\_\_\_) \_\_\_\_\_

If you wish to explain in more detail, please attach your signed statement.



# CITY OF LODI

## ELECTRIC UTILITY DEPARTMENT

### SCHEDULE EL

#### OUTDOOR DUSK-TO-DAWN LIGHTING

##### APPLICABILITY:

Outdoor dusk-to-dawn lighting is applicable to City-owned and maintained outdoor overhead lighting service where streetlight service is not available.

##### RATES:

For each 6,000 lumen gas discharge lamp . . . . . \$9.84 per month

For each 18,000 lumen gas discharge lamp . . . . . \$18.00 per month

##### SPECIAL CONDITIONS:

(a) Lamps shall be approximately 6,000 or 18,000 lumen gas discharge with luminaire and brackets, as specified by the City of Lodi Electric Utility Department, and shall be supported on City-owned poles which are used to carry distribution system circuits for other City purposes and shall be at locations approved by the City of Lodi. Lamps will be controlled from dusk to dawn each night so as to give approximately 4,380 hours of service annually.

(b) Upon receipt of notice from a customer of failure of light to operate as scheduled, the City of Lodi Electric Utility Department will, within a reasonable period of time, make the necessary repairs.

(c) Relocation of existing outdoor lighting service equipment or the installation of additional facilities required other than mentioned in (a) above shall be at customer's expense prior to starting work.



# CITY OF LODI

## ELECTRIC UTILITY DEPARTMENT

### SCHEDULE G1 (Formerly EB)

#### GENERAL SERVICE - GROUP 1 COMMERCIAL/INDUSTRIAL

#### APPLICABILITY:

Schedule G1 is applicable to customers with single-phase or polyphase alternating current service, or to a combination thereof, whose kwhr usage does not exceed 8,000 kwhr per month for three consecutive months.

#### RATES:

##### Customer Charge

Single-Phase Service . . . . .	\$3.00
Polyphase Service. . . . .	4.25

##### Energy Charge (to be added to Customer Charge):

Summer (May through October) . . . . .	.09426
Winter (November through April). . . . .	.07735

The monthly charge is the higher of: 1) the Customer Charge and the Energy Charge, or 2) \$1.70 per kva of connected welder and per horsepower of polyphase connected motor load.



# CITY OF LODI

## ELECTRIC UTILITY DEPARTMENT

### SCHEDULE G2 (Formerly S-I)

#### GENERAL SERVICE - GROUP 2 COMMERCIAL/INDUSTRIAL

#### APPLICABILITY:

Schedule G2 will be applied to accounts with energy consumption in excess of 8,000 kilowatt-hours (kwhr) or more for three consecutive months and with maximum demand not exceeding 500 kilowatts (kw) for three consecutive months.

**Maximum Demand:** The maximum demand in any month will be the maximum average power taken during any 15-minute interval in the month, but not less than the diversified resistance welder load. In cases where the use of energy is intermittent or subject to violent fluctuations, a 5-minute interval may be used.

**New Customers:** If the energy consumption for a new customer is expected to be 8,000 kwhr or more, the City has the option of placing the account on Schedule G2 from the start.

**Transfers Off Schedule G2:** If energy consumption drops below 8,000 kwhr and remains there for 12 consecutive months, the City will transfer the account to Schedule G1. If the demand reaches or exceeds 500 kilowatts (kw) for three consecutive months, the account will be transferred to Schedule G3.

#### RATES:

Customer Charge . . . . . \$ 50.00

#### Demand Charge:

All kw of billing demand, per kw . . . . . 2.75

#### Energy Charge:(per kwhr)

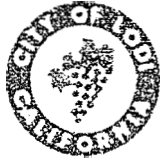
Summer (May through October) . . . . . .07915

Winter (November through April). . . . . .06200

The monthly charge for service under Schedule G2 is the sum of the Customer Charge, Demand Charge and Energy Charge.

#### VOLTAGE DISCOUNT:

When delivery is made at the same primary distribution voltage as that of the line from which the service is supplied, a 4% discount will be allowed on the above charges.



# CITY OF LODI

## ELECTRIC UTILITY DEPARTMENT

### POWER FACTOR ADJUSTMENTS:

When the billing demand has exceeded 400 kw for three consecutive months and thereafter until it has fallen below 300 kw for twelve consecutive months, bills will be adjusted based upon average monthly power factor. Average monthly power factor is computed from the ratio of lagging reactive kilovolt-ampere-hours to kilowatt-hours consumed in the month. Power factors are rounded to the nearest whole percent.

The rates in this schedule are based on an average monthly power factor of 85%. If the average monthly power factor is greater than 85%, the total monthly bill (excluding any taxes and customer charge) will be reduced by .06 percent for each percentage point above 85%. If the average power factor is below 85%, the total monthly bill (excluding taxes and customer charge) will be increased by .06 percent for each percentage point below 85%.



# CITY OF LODI

## ELECTRIC UTILITY DEPARTMENT

### SCHEDULE G3

#### GENERAL SERVICE - GROUP 3 COMMERCIAL/INDUSTRIAL

#### APPLICABILITY:

Schedule G3 will be applied to accounts with maximum demands of 500 kilowatts (kw) or more for three consecutive months.

Maximum Demand: The maximum demand in any month will be the maximum average power taken during any 15-minute interval in the month, but not less than the diversified resistance welder load. In cases where the use of energy is intermittent or subject to violent fluctuations, a 5-minute interval may be used.

New Customers: If the maximum demand for a new customer is expected to be 500 kw or more, the City has the option of placing the account on Schedule G3 from the start.

Transfers Off Schedule G3: If maximum demand drops below 500 kw and remains there for 12 consecutive months, the City will transfer the account to a different applicable rate schedule.

#### RATES:

Customer Charge . . . . . \$100.00

Service Voltage:	Secondary (G3-S)		Primary (G3-P)		Transmission (G3-T)	
Season:	Summer	Winter	Summer	Winter	Summer	Winter

#### Demand Charges:

Per kw of maximum peak-period demand	\$8.10	--	\$7.84	--	\$7.60	--
Per kw of maximum demand	2.85	\$2.85	1.80	\$1.80	.75	\$3.75

#### Energy Charges:

Peak period (per kwhr)	.07563	--	.07206	--	.06866	--
Partial-peak period (per kwhr)	.07179	.06940	.06923	.06533	.06676	.06150
Off-peak period (per kwhr)	.04264	.03857	.03923	.03801	.03800	.03754

Minimum Charge, per month:

The Demand Charge constitute; the Minimum Charge



# CITY OF LODI

## ELECTRIC UTILITY DEPARTMENT

**TYPES OF CHARGES:** The monthly charge for service under Schedule G3 is the sum of the customer charge, demand charges and energy charges:

- The customer charge is a flat monthly fee

Schedule G3 has two demand charges, a maximum-peak-period-demand charge and a maximum-demand charge. The maximum-peak-period-demand charge per kilowatt applies to the maximum demand during the month's peak hours, and the maximum-demand charge per kilowatt applies to the maximum demand at any time during the month. The bill will include both of these demand charges. Time periods are defined below.

- The energy charge is the sum of the energy charges from the peak, partial peak, and off-peak periods. Energy is billed by the kilowatt-hour (kwhr), and rates are differentiated according to time of day and time of year.
- Monthly charges may be increased or decreased based upon power factor as defined below.
- As shown on the rate chart, demand & energy charges are based on the voltage at which service is taken. Service voltages are defined below.

### DEFINITION OF SERVICE VOLTAGE:

The following defines the three service voltage classes of G3 rates

- a. Transmission: Service voltage class for service at 60,000 volts.
- b. Primary: Service voltage class for service at 12,000 volts.
- c. Secondary: Service voltage class for service at all other available voltages

### POWER FACTOR ADJUSTMENTS:

Bills will be adjusted based upon average monthly power factor. Average monthly power factor is computed from the ratio of lagging reactive kilovolt-ampere-hours to kilowatt-hours consumed in the month. Power factor are rounded to the nearest, whole percent.

The rates in this rate schedule are based on an average monthly power factor of 85%. If the average monthly power factor is greater than 85%, the total monthly bill (excluding any taxes and customer charge) will be reduced by .06 percent for each percentage point above 85%.



# CITY OF LODI

## ELECTRIC UTILITY DEPARTMENT

### DEFINITION OF TIME PERIODS:

Times of the year and times of the day are defined as follows:

#### SUMMER May 1 through October 31:

Peak: 3:00 p.m. to 7:00 p.m. Monday through Friday (except holidays).

Partial-Peak: 8:30 a.m. to 3:00 p.m. and 7:00 p.m. to 9:30 p.m.  
Monday through Friday (except holidays).

Off-Peak: 9:30 p.m. to 8:30 a.m. Monday through Friday and all day  
Saturday, Sunday and holidays.

#### WINTER: November 1 through April 30:

Partial-Peak: 8:30 a.m. to 9:30 p.m. Monday through Friday (except  
holidays).

Off-Peak: 9:30 p.m. to 8:30 a.m. Monday through Friday and all day  
Saturday, Sunday and holidays.

#### HOLIDAYS:

Holidays" for the purpose of the rate schedule are New Year's Day, Presidents' Day, Memorial Day, Independence Day, Labor Day, Veterans' Day, Thanksgiving Day, the day after Thanksgiving and Christmas Day. The dates will be based on those days on which the holidays are observed as specified in Public Law 90-363 (U.S.C.A. Section 6103).



# CITY OF LODI

## ELECTRIC UTILITY DEPARTMENT

SCHEDULE E?

ENERGY PURCHASE

APPLICABILITY:

Energy Purchase Schedule EP is applicable to qualifying customer-owned alternating current facilities operating in parallel with the City's electric system on a contract basis.

p.EP-1/1

Effective November 1, 1988

Canceling Ordinance No. 1348

Resolution No. \_\_\_\_\_



# CITY OF LODI

## ELECTRIC UTILITY DEPARTMENT

### SCHEDULE SS

#### STANDBY SERVICE

#### APPLICABILITY:

Schedule SS is applicable to commercial/industrial customers who would otherwise qualify for Schedule G3 and who operate a privately-owned generating plant and where the City must stand ready at all times to supply standby electric service to replace such plant.

#### RATES:

	<u>Per Customer-Owned Plant Per Month</u>
Customer Charge . . . . .	5100.00

#### Standby Charge:

Contract capacity, per kw. . . . .	2.75
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#### Standby Demand Charge:

Summer: The Standby Demand Charge will be assessed for 12 months beginning the month in which the City provides capacity at the service connection point. Such Standby Demand Charge will be the product of the maximum monthly capacity provided by the City, expressed in kw, and the sum of the base and peak demand rates of the applicable industrial schedule.

Winter: The Standby Demand Charge for capacity provided by the City will be billed at the Schedule G3 rate.

#### Reactive Demand Charge:

Per kvar of maximum reactive demand. . . . .	\$ .30
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#### Reactive Demand Charge:

Per kvar of maximum reactive demand. . . . .	\$ .30
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# CITY OF LODI

## ELECTRIC UTILITY DEPARTMENT

### RATES: (continued)

#### Energy Charge:

All energy supplied by the City will be billed at the Schedule 63 rates,

### SPECIAL CONDITIONS:

(a) **CONTRACT:** This schedule is available only for each specific service connection point on a contract **basis** to industrial **customers** for each customer-owned generating plant as authorized **by** the City Council. Each contract term shall **be** for the service life of the customer-owned generating plant and shall obligate the customer to pay for Customer Standby and Standby Demand Charges for the contract term. The contract shall provide, among other things, that **if** service is cancelled prior to expiration of the contract period, the customer shall pay the total Standby Charges for the unexpired term of the contract and any outstanding Standby Demand Charges.

(b) **CONTRACT CAPACITY:** Contract Capacity is the nameplate rating of the customer-owned generating plant.

(c) **EXCESS CAPACITY:** Capacity supplied by the customer-owned generating plant in excess of the measured load at the customer's service connection point shall be considered inadvertent and no demand or energy adjustment shall be given.

(d) **LIMITATION ON CONTRACT CAPACITY SERVED:** Standby service to new or increased loads is limited by the City's ability to serve such loads without jeopardizing service to existing customers on rate schedules for firm service, including standby service.

(e) **RENDERING OF BILLS:** All bills, including opening and closing bills, will be based on meter registration, except as otherwise provided in the City's Rules and Regulations or rate schedule. Should the billing period be less than one month, no proration will be made and the amount of the bill shall be determined in accordance with the schedule in effect at the time of the end of the normal meter reading period. Standby Demand Charges will not be applied in a cumulative manner.

(f) **TOTALIZING:** Totalizing of a customer's meter readings from more than one service connection point for billing purposes will not be done if one or more such service connections are receiving Standby Service.

(g) **DEMAND READINGS:** Demand readings will be based on 15-minute intervals.



# CITY OF LODI

## ELECTRIC UTILITY DEPARTMENT

(h) **PARALLEL OPERATION:** Any customer on this schedule intending to operate a generating plant in parallel with the City's electric system must construct and operate such plant in accordance with applicable Rules and Regulations. However, a customer who operates its generating plant in parallel must assume responsibility for protecting the City and other parties from damage resulting from negligent operation.

(5) **METERING:** The City will furnish, own and maintain, at its expense, the normal metering for the size and type of load served. The City will furnish, own and maintain, at the customer's expense, other metering equipment that the City determines to be necessary on both the service and the customer-owned generating plant. The customer shall provide facilities to accommodate such metering. Meters shall not allow reverse registration.

(j) **REACTIVE DEMAND CHARGE:** When the customer-owned generating plant is operated in parallel with the City's system, the customer will design and operate its facilities so that the reactive current requirements of the portion of the Customer's load supplied from such plant are not supplied at any time from the City's system. If the City determines by test that the customer-owned generating plant is placing a reactive demand on the City's electric system excess of 0.44 kvar per kw of Contract Capacity, the Reactive Demand Charge shall be effective in that month and each subsequent month until the customer demonstrates to the City's satisfaction that adequate correction has been provided.

### DEFINITION OF TIME PERIODS:

Times of the year and times of the day are defined as follows:

#### SUMMER May 1 through October 31:

Peak: 3:00 p.m. to 7:00 p.m. Monday through Friday (except hol days).

Partial-Peak: 8:30 a.m. to 3:00 p.m. and 7:00 p.m. to 9:30 p.m.  
Monday through Friday (**except** holidays).

Off-Peak: 9:30 p.m. to 8:30 a.m. Monday through Friday and all day  
Saturday, Sunday and **holidays**.

#### WINTER: November 1 through April 30:

Partial-Peak: 8:30 a.m. to 9:30 p.m. Monday through Friday (except  
holidays).

Off-Peak: 9:30 p.m. to 8:30 a.m. Monday through Friday and all day  
Saturday, Sunday and **holidays**.



# CITY OF LODI

## ELECTRIC UTILITY DEPARTMENT

### HOLIDAYS:

Holidays" for the purpose of the rate schedule are New Year's Day, Presidents' Day, Memorial Day, independence Day, Labor Day, Veterans' Day, Thanksgiving Day, the day after Thanksgiving and Christmas Day. The dates will be based on those days on which the holidays are observed as specified in Public Law 90-363 (U.S.C.A. Section 6103).

CITY COUNCIL MEETING  
SEPTEMBER 9, 1988

NAMING OF NEW  
COUNCIL CHAMBER  
COMPLEX

CC-6  
CC-142

The City Council received information from the Public Works Director that following his earlier inquiry as to possible names for the new Council Chamber Complex, the following names and votes were obtained:

NAME	VOTES
Carnegie Forum	2
Carnegie Hall	1
Carnegie Library	1
"Anything"	1

City Council discussion followed with Mayor Pinkerton proposing the name Lodi Carnegie Hall. Following additional discussion, Council Member Reid moved that the new City Council Complex be named Lodi Carnegie Hall. The motion was seconded by Mayor Finkerton but failed to pass by the following vote:

Ayes : Council Members - Reid and Pinkerton (Mayor)

Noes : Council Members - Hinchman, Olson,  
and Snider

Additional discussion followed. Following the suggestion by Council Member Hinchman, the City Council determined to hold a city-wide contest to determine the name of the new Council Chamber Complex.



# CITY OF LODI

PUBLIC WORKS DEPARTMENT

## COUNCIL COMMUNICATION

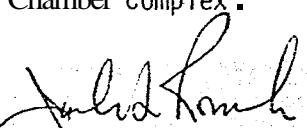
TO : City Council  
FROM: City Manager  
MEETING DATE: September 7, 1988  
AGENDA TITLE: Determine Name for New Council Chamber Complex

RECOMMENDED ACTION: That the City Council select the appropriate building name for the new Council Chamber Complex.

BACKGROUND INFORMATION: Under the attached memo of August 4, 1988, we solicited names for the existing Carnegie Library building which will be the new Council Chamber Complex. From this inquiry, the following names and votes were obtained:

<u>Name</u>	<u>Votes</u>
Carnegie Forum	2
Carnegie Hall	1
Carnegie Library	1
"Anything"	1

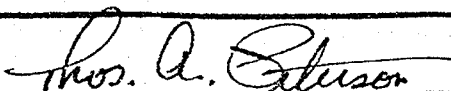
It is requested that the Council formally select the name for the new Council Chamber Complex.

  
Jack L. Ronsko  
Public Works Director

JLR/mt

Attachment

APPROVED:

  
THOMAS A. PETERSON, City Manager

FILE NO.

MEMORANDUM, City of Lodi, Public Works Department

TO: City Manager  
City Council

FROM: Public Works Director

DATE: August 4, 1988

SUBJECT: Renaming Carnegie Library Building

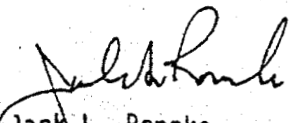
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The remodel project for the Carnegie Library building is now out to bid. The bid opening date is set for August 31.

The existing building is called "CARNEGIE LIBRARY" and this name is shown over the doorway on the Pine Street frontage. As part of the remodel plans, the architect has renamed the building "CARNEGIE FORUM" (see attached exhibit). Questions have been raised as to whether this is the appropriate name for this facility. Therefore, we would request your feelings on the renaming of the Carnegie Library.

Please note your first and second choices by marking a "1" and "2" in the boxes below and return one copy of this memo. We will then summarize the choices and bring this matter back to the City Council for an official decision, as we did with the water tank.

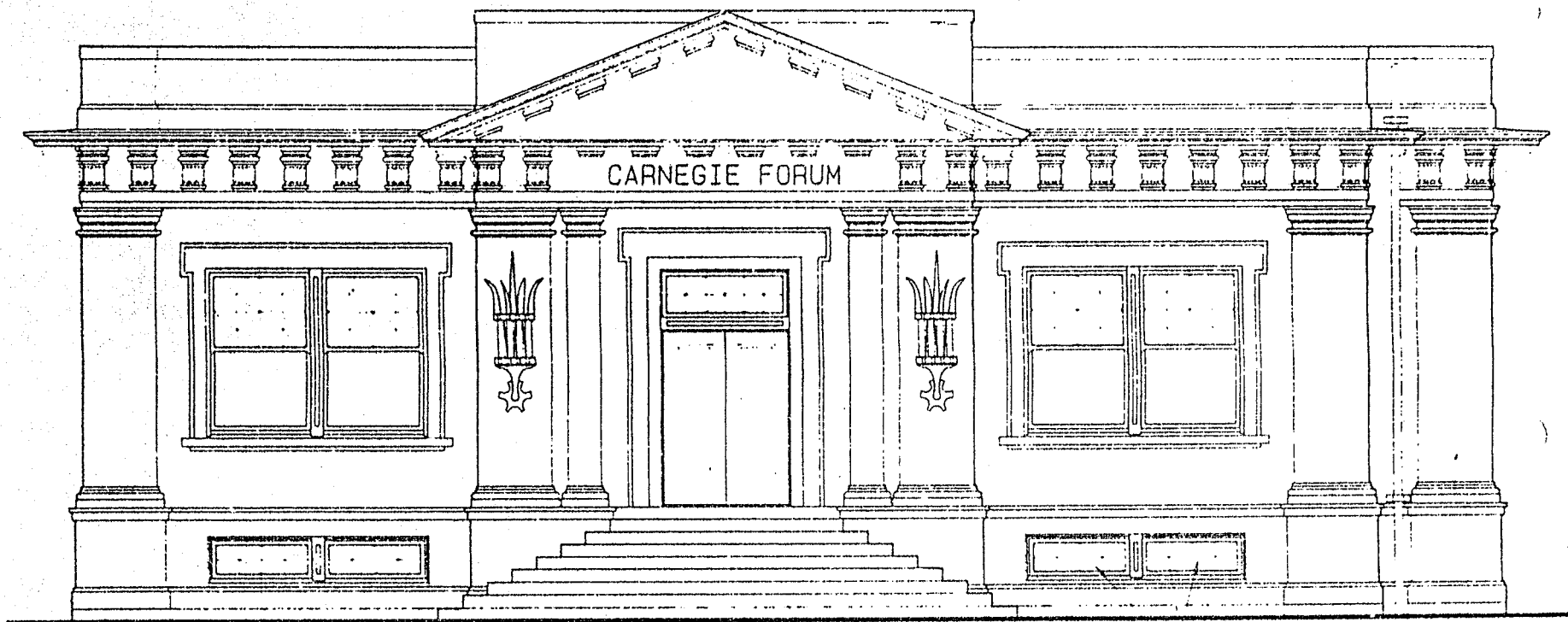
- ☐ CARNEGIE FORUM
- ☐ CARNEGIE HALL
- ☐ TOWN HALL
- ☐ LODI COUNCIL CHAMBERS
- ☐ COUNCIL CHAMBERS
- ☐ \_\_\_\_\_
- ☐ \_\_\_\_\_

  
Jack L. Ronsko  
Public Works Director

JLR/ma

Attachment

bcc: Building & Equipment Maintenance Supt.  
Arle Preszler, Architect



SOUTH ELEVATION  
Scale: 1/8" = 1'-0"

BLOCK-OUT WINDOW FROM INSIDE - SEE FLOOR -  
REPLACE EXISTING WINDOW GLASS & SECURE